

FIG. 1

100 (0)	$Y_0Cr_0Cb_0$	Y_1	$Y_2Cr_1Cb_1$	Y_3	$Y_4Cr_2Cb_2$	Y_5	...	$Y_{x-1}Cr_{(x-1)/2}Cb_{(x-1)/2}$	Y_x
100 (1)	$Y_0Cr_0Cb_0$	Y_1	$Y_2Cr_1Cb_1$	Y_3	$Y_4Cr_2Cb_2$	Y_5	...	$Y_{x-1}Cr_{(x-1)/2}Cb_{(x-1)/2}$	Y_x
100 (2)	$Y_0Cr_0Cb_0$	Y_1	$Y_2Cr_1Cb_1$	Y_3	$Y_4Cr_2Cb_2$	Y_5	...	$Y_{x-1}Cr_{(x-1)/2}Cb_{(x-1)/2}$	Y_x
100 (3)	$Y_0Cr_0Cb_0$	Y_1	$Y_2Cr_1Cb_1$	Y_3	$Y_4Cr_2Cb_2$	Y_5	...	$Y_{x-1}Cr_{(x-1)/2}Cb_{(x-1)/2}$	Y_x
:									
:									
100 (N)	$Y_0Cr_0Cb_0$	Y_1	$Y_2Cr_1Cb_1$	Y_3	$Y_4Cr_2Cb_2$	Y_5	...	$Y_{x-1}Cr_{(x-1)/2}Cb_{(x-1)/2}$	Y_x

FIGURE 2

48Y(0)	$Y_0, Y_1, Y_2, \dots, Y_{15}$
48Y(1)	$Y_{16}, Y_{17}, Y_{18}, \dots, Y_{31}$
:	
48Y(i)	$Y_{16i}, Y_{16i+1}, Y_{16i+2}, \dots, Y_{16i+15}$
:	

48Y

48C(0)	$Cr_0, Cb_0, Cr_1, Cb_1, \dots, Cr_7, Cb_7$
48C(0)	$Cr_8, Cb_8, Cr_9, Cb_9, \dots, Cr_{15}, Cb_{15}$
:	
48C(i)	$Cr_{8i}, Cb_{8i}, Cr_{8i+1}, Cb_{8i+1}, \dots, Cr_{8i+7}, Cb_{8i+7}$
:	

48C

FIGURE 3A

$$U_i \Rightarrow \boxed{Y_{2i}Cr_iCb_i \quad Y_{2i+1}}$$

48(0)	U_0, U_1, U_2, U_3
48(1)	U_4, U_5, U_6, U_7
48(2)	U_8, U_9, U_{10}, U_{11}
:	
48(i)	$U_{4i}, U_{4i+1}, U_{4i+2}, U_{4i+3}$

FIGURE 3B

48Y(0)	$Y_0, Y_1, Y_2, \dots, Y_{15}$
48Y(1)	$Y_{16}, Y_{17}, Y_{18}, \dots, Y_{31}$
:	
48Y(i)	$Y_{16i}, Y_{16i+1}, Y_{16i+2}, \dots, Y_{16i+15}$
:	

48Y

48R(0)	Cr, Cr, \dots, Cr
:	
48R(i)	Cr, Cr, \dots, Cr
:	

48CR

48R(0)	Cr, Cr, \dots, Cr
:	
48R(i)	Cr, Cr, \dots, Cr
:	

48CB

FIGURE 3C

$b_{0...7}$	$b_{8...15}$	$b_{16...23}$	$b_{24...31}$	$b_{32...39}$	$b_{40...47}$	$b_{48...55}$	$b_{56...63}$	$b_{64...71}$	$b_{72...79}$	$b_{80...87}$	$b_{88...95}$	$b_{96...103}$	$b_{104...111}$	$b_{112...119}$	$b_{120...127}$
Cb	Y_0	Cr	Y_1	Cb	Y_0	Cr	Y_1	Cb	Y_0	Cr	Y_1	Cb	Y_0	Cr	Y_1
U_{4i}				U_{4i+1}				U_{4i+2}				U_{4i+3}			

FIGURE 4A

$b_{127...120}$	$b_{119...112}$	$b_{111...104}$	$b_{103...96}$	$b_{95...88}$	$b_{87...80}$	$b_{79...72}$	$b_{71...64}$	$b_{63...56}$	$b_{55...48}$	$b_{47...40}$	$b_{39...32}$	$b_{31...24}$	$b_{23...16}$	$b_{15...8}$	$b_{7...0}$
Cb	Y_0	Cr	Y_1	Cb	Y_0	Cr	Y_1	Cb	Y_0	Cr	Y_1	Cb	Y_0	Cr	Y_1
U_{4i}				U_{4i+1}				U_{4i+2}				U_{4i+3}			

FIGURE 4B

$\mathbf{b_0...7}$	$\mathbf{b_8...15}$	$\mathbf{b_{16}...23}$	$\mathbf{b_{24}...31}$	$\mathbf{b_{32}...39}$	$\mathbf{b_{40}...47}$	$\mathbf{b_{48}...55}$	$\mathbf{b_{56}...63}$	$\mathbf{b_{64}...71}$	$\mathbf{b_{72}...79}$	$\mathbf{b_{80}...87}$	$\mathbf{b_{88}...95}$	$\mathbf{b_{96}...103}$	$\mathbf{b_{104}...111}$	$\mathbf{b_{112}...119}$	$\mathbf{b_{120}...127}$
$\mathbf{Y_{16i}}$	$\mathbf{Y_{16i+1}}$	$\mathbf{Y_{16i+2}}$	$\mathbf{Y_{16i+3}}$	$\mathbf{Y_{16i+4}}$	$\mathbf{Y_{16i+5}}$	$\mathbf{Y_{16i+6}}$	$\mathbf{Y_{16i+7}}$	$\mathbf{Y_{16i+8}}$	$\mathbf{Y_{16i+9}}$	$\mathbf{Y_{16i+10}}$	$\mathbf{Y_{16i+11}}$	$\mathbf{Y_{16i+12}}$	$\mathbf{Y_{16i+13}}$	$\mathbf{Y_{16i+14}}$	$\mathbf{Y_{16i+15}}$
$\mathbf{U_{4i}}$				$\mathbf{U_{4i+1}}$				$\mathbf{U_{4i+2}}$				$\mathbf{U_{4i+3}}$			

FIGURE 5

FIG. 6

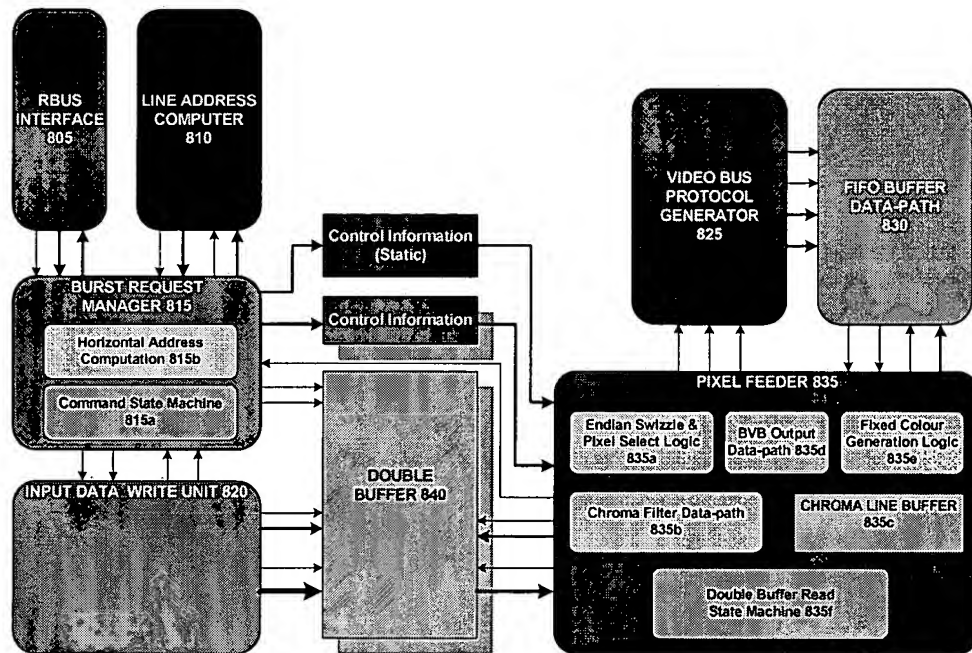
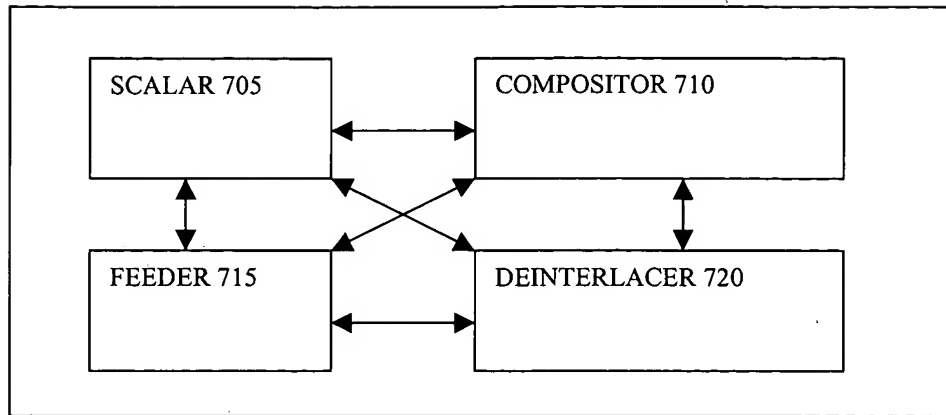


FIGURE 7

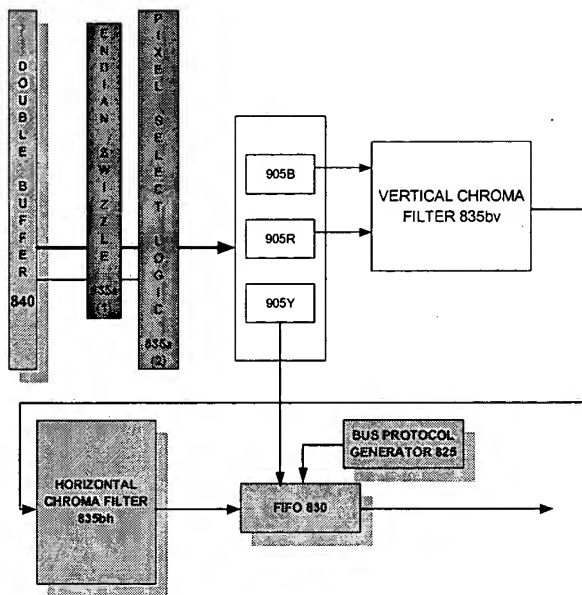


FIGURE 8

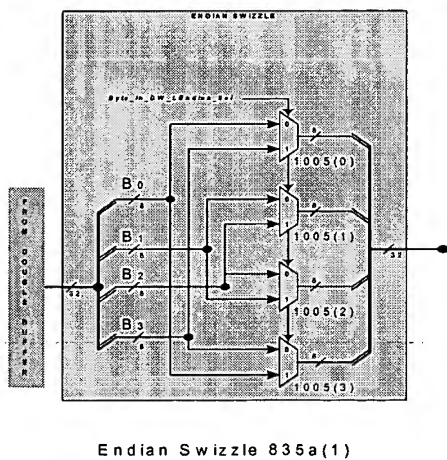


FIGURE 9

